

CLAIMS

1. A photocurable sheet-form material comprising:

- (a) a polymerizable unsaturated monomer;
- (b) a polymer which is either polymethyl methacrylate or a high-molecular polymer consisting mainly of methyl methacrylate units and which is compatible or swollen with the polymer (a),
- (c) a photocuring agent; and
- P. 10 ← (d) fibrous reinforcement.

2. A photocurable sheet-form material according to claim 1, wherein the high-molecular polymer (b) is produced in a powdered form having a weight average molecular weight of 100,000 or more.

3. A photocurable sheet-form material according to claim 1 or 2, wherein the polymerizable unsaturated monomer (a) is an acrylic type polymerizable monomer, and has a solubility parameter SP within a range from 8.1 to 10.0, which is calculated in accordance with a formula "SP = $\Sigma (G) / \text{molecular weight}$ " by using molar attraction constants G.

4. A photocurable sheet-form material according to any one of claims 1 to 3, further comprising one or more resins (e) selected from a (meth)acrylic type polymer, an unsaturated polyester, a vinyl ester, or an urethane acrylate.

5. A photocurable sheet-form material according to any one of claims 1 to 4, wherein the polymer (b) is included in an amount of 1 to 100 parts by weight, relative to 100 parts by weight of the polymerizable unsaturated monomer (a).

6. A layered molding made of a laminate of a thermoplastic resin sheet and a

Initials
photocurable sheet-form material according to any one of claims 1 to 4.

7. A method of reinforcement, including a step of using a photocurable sheet-form material according to any one of claims 1 to 3 on a surface of a molded article.

SEARCHED INDEXED
SERIALIZED FILED